

ABSTRACT OF THE DISCLOSURE

An electronic power supply for a synchronous motor with permanent-magnet rotor with two pairs of poles, wherein the windings of each pair of poles are supplied by a corresponding electronic circuit; one of the circuits  
5 comprises a capacitor which acts as a 90° phase shifter, and a static switch is also present on at least one of the two circuits and is controlled by a sensor for detecting the position of the rotor.

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